

20001004.qrp v01\_n964.qrl.20001004

Date: Wed, 4 Oct 2000 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1964

## QRP-L Digest 1964

Topics covered in this issue include:

- 1) [80680] DSW's back & PSK-20 assembled  
by dave\_epps@juno.com
- 2) [80681] Re:%20Any QRP enthusiasts at the Rochester Hamfest?  
by K1DXradio@aol.com
- 3) [80682] Help Please  
by smckean@birch.net
- 4) [80683] Re: Soldering old antenna wire  
by "James R. Duffey" <jamesd1@flash.net>
- 5) [80684] Re: Has anyone tried this?  
by W1R0@aol.com
- 6) [80685] FS switching ps 15vdc  
by n2go@arrl.net
- 7) [80686] Re: What's an RF VTVM?  
by KW1ND Mike <kw1nd@megalink.net>
- 8) [80687] Yet more Tixie stuff...  
by Gwendolyn <wendy\_lyn@unforgettable.com>
- 9) [80688] Re: Has anyone tried this?  
by Nv4t@aol.com
- 10) [80689] Anyone want EEM 2000 books?  
by Goemans <jgoemans@facstaff.wisc.edu>
- 11) [80690] SMK-1 First Contact  
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
- 12) [80691] Wanted... Ten Tec Powermite  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 13) [80692] FOX: New Big Dawg  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 14) [80693] Re cleaning old antenna wire  
by Pete Burbank <plburbank@kih.net>
- 15) [80694] Seeking Solid Copper Wire Source  
by Thomas Kuehl <ac7a@gci-net.com>
- 16) [80695] Re: Re cleaning old antenna wire  
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 17) [80696] Re: FOX: New Big Dawg  
by Pete Burbank <plburbank@kih.net>
- 18) [80697] SMK-1 Questions  
by AD6JY@aol.com
- 19) [80698] Info sought on the RedHot NC-20, i.e. price

- by Chris Wagner <mm1esg@compuserve.de>
- 20) [80699] comparison of the RH NC-20 with its peers?  
by Chris Wagner <mm1esg@compuserve.de>
- 21) [80700] Re: [CW] FW: Aurora Watch + An Unusual Asteroid  
by Fred Lesnick <flesnick@tbaytel.net>
- 22) [80701] Epiphyte  
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 23) [80702] NETXQRP group  
by "Chuck Carpenter" <w5usj@globeco.net>
- 24) [80703] Re: Seeking Solid Copper Wire Source  
by "Mike Yetsko" <myetsko@insydesw.com>
- 25) [80704] On-Line QRP Webzine  
by Doug Bankston <dougbankston1@yahoo.com>
- 26) [80705] Re: Bob-tale  
by "Steve/n0tu" <n0tu@webaccess.net>
- 27) [80706] Nice Aurora in Eastern WA  
by Mike <mparkes@att.net>
- 28) [80707] Carrier on 30 meters  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 29) [80708] Re: W8PIG/9 and the HoosierHills Hamfest  
by wd9eyb@butler.qrp.com
- 30) [80709] Re: FOX: New Big Dawg  
by hamjoel@juno.com
- 31) [80710] George Heron's PSK31 Article in Fall QRPP  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 32) [80711] Re: Carrier on 30 meters  
by Steve Yates <aa5tb@yahoo.com>
- 33) [80712] 30 ' fiberglass poles - long  
by M Goins <mgoins@usa.net>
- 34) [80713] Re: Getting scratches out of Lexan  
by Michael Fletcher <kl7ixi@usa.net>
- 35) [80714] No Foxburo this year  
by Bcieslak@ra.rockwell.com
- 36) [80715] Re: George Heron's PSK31 Article in Fall QRPP  
by "Mont Pierce" <MyGrapeVine@yahoo.com>
- 37) [80716] Aluminum tubing for antenna projects?  
by John AE5X <ae5x@juno.com>
- 38) [80717] Re: Carrier on 30 meters; DX out of the blue  
by Allan G Taylor <k7gt@qsl.net>
- 39) [80718] Re: SMK-1 Questions  
by NB6M@aol.com
- 40) [80719] Re: Alternate power sources for QRP  
by Joe Street <jstreet@venus.uwaterloo.ca>
- 41) [80720] 30 meters  
by "Walter D Amos" <waltk8cv@surfree.com>
- 42) [80721] Re: Aluminum tubing for antenna projects?  
by Lew Paceley <lew@paceley.com>
- 43) [80722] RE: Aluminum tubing for antenna projects?

- by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 44) [80723] VQS Barefoot Radio  
by Harvey.Mitchell@enron.com
- 45) [80724] Summer QRPp  
by John Bohnert <johnb@elmhurst.edu>
- 46) [80725] Summer QRPp  
by John Bohnert <johnb@elmhurst.edu>
- 47) [80726] K1 Update; Call for Articles and Pictures; Pacificon Oct. 20-22.  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 48) [80727] [Fwd: [DXR] JOTA Oct 21-22]  
by wlfisher@bellatlantic.net
- 49) [80728] Flying Pigs Newsletter  
by Shepherd@aol.com
- 50) [80729] Re: George Heron's PSK31 Article in Fall QRPp  
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 51) [80730] RE: Flying Pigs Newsletter  
by "Kevin Muenzler WB5RUE" <wb5rue@arrl.net>
- 52) [80731] Re: [fpqrp] RE: Flying Pigs Newsletter  
by wb8icn1@juno.com
- 53) [80732] k6iii in CQP fm SIERRA cty - QRP  
by "Bliss, Jerry" <Jerry.Bliss@us.telegyr.com>

-----

Date: Tue, 3 Oct 2000 16:25:20 -0700  
From: dave\_epps@juno.com  
To: qrp-l@lehigh.edu  
Subject: [80680] DSW's back & PSK-20 assembled  
Message-ID: <20001003.162530.-380679.0.Dave\_epps@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Check [www.smallwonderlabs.com](http://www.smallwonderlabs.com)

I have both of these and they are real winners.  
I printed a station the other day on the PSK-20 and he said that both of  
his hands were paralyzed and that he used 2 sticks to type with. You have  
to admire a guy like that.

dave ab5pc fresno, ca

-----

YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----

Date: Tue, 3 Oct 2000 19:52:41 EDT  
From: K1DXradio@aol.com  
To: qrp-l@lehigh.edu  
Subject: [80681] Re:%20Any QRP enthusiasts at the Rochester Hamfest?  
Message-ID: <f3.33e912d.270bcb49@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I will certainly be there. I don't recall ever seeing any QRP activity, just some QRP gear FS. - George - K1DX

-----  
Date: Sun, 1 Oct 2000 19:31:16 -0500  
From: smckean@birch.net  
To: QRP-L@Lehigh.EDU  
Subject: [80682] Help Please  
Message-ID: <200010032358.SAA20394@tango.birch.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I am looking for the article that came out in Sprat some years ago that has a mod for the Kenwood TS-120V to limit power to 5W on SSB.

If some kind soul has some old Sprat's, I would appreciate a copy of the article.

73 Stan KSON

-----  
Date: Tue, 03 Oct 2000 18:13:51 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>, <mikemo@attglobal.net>  
Subject: [80683] Re: Soldering old antenna wire  
Message-ID: <B5FFD25F.2CE4%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Mike - I had a similar problem when I lived in Southern California.

The first time I had to fix it I dipped the wire in lemon juice. I don't remember if the juice was diluted or not. It worked. I then rinsed in a baking soda solution to neutralize the acid. I then rinsed in distilled water to remove the baking soda so that the solder flux would work. This worked fine.

The second time I used a commercial copper brightener whose name I forget. I think it had Bright and/or dip in the title. It worked well as well. I did the baking soda/distilled water rinse. This worked as well as the lemon juice.

The next time I replaced the wire.

By using insulated housewire and covering bare wire with glyptal or other waterproofing goop, this problem can be avoided.

I only have normal oxidation at this rural location and altitude which is easily dealt with by using normal solder flux. I suggest the move.

I hope that this helps. Let us know what happens.- Dr. Megacycle KK6MC/5  
James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Tue, 3 Oct 2000 20:23:40 EDT  
From: W1R0@aol.com  
To: Drbob92031@aol.com, qrp-1@lehigh.edu  
Subject: [80684] Re: Has anyone tried this?  
Message-ID: <e0.a852a85.270bd28c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"  
Content-Transfer-Encoding: quoted-printable

Local ham club have used them for 2 meter fox hunt Yagi's. The cut the tapes=  
=20  
to fit on the PVC boom then roll them up around the boom for storage. They=20  
use rubber bands to keep them wrapped around the boom.

Don't see why it wouldn't work.....I do the same with kids Slinky's

73

Jim

W1R0/7 =20

<A HREF=3D"https://www.juiceplus.com/+jbb00907">Welcome to Juice Plus +=AE</=

A>

=20

-----  
Date: Tue, 3 Oct 2000 20:49:40 -0400 (EDT)  
From: n2go@arrl.net  
To: qrp-l@Lehigh.EDU  
Subject: [80685] FS switching ps 15vdc  
Message-ID: <Pine.LNX.4.20.0010032042010.4005-1000000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a new switching power supply, unused in original box with installation instructions. I was going to use it as a bench supply but got a variable voltage supply for the bench.

Input rating 100-240VAC, 1.3A, 47-63 Hz

40watts output 15.0vdc 2.7A ,  
Maximum output short circuit 1A

Price \$8.50 including priority mail shipping.(they supply the box :)

73,

Jim n2go

-----  
Date: Tue, 03 Oct 2000 20:50:32 -0400  
From: KW1ND Mike <kw1nd@megalink.net>  
To: qrp <qrp-l@Lehigh.EDU>  
Subject: [80686] Re: What's an RF VTVM?  
Message-ID: <4.3.2.7.2.20001003204919.00aa1860@mail.megalink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks to all who responded - close to 20! I've forwarded the info to my friend (he's in another state).

What a great list.....!

73,

Mike Boice, KW1ND  
Lisbon Falls, Maine FN44xa

-----  
Date: Tue, 3 Oct 2000 21:41:05 -0400  
From: Gwendolyn <wendy\_lyn@unforgettable.com>  
To: <qrp-1@lehigh.edu>  
Subject: [80687] Yet more Tixie stuff...  
Message-ID: <20001004014225.0E085F7813@pop314-leg.mail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Yeah, I know, it's just a toy radio..but it's the only QRP rig=  
I've  
got til we finish the K2. \*grin\*

Well, I found out why the Tick chip wasn't programming...solder  
bridge. So now I can adjust the speed, paddle mode, etc. Much=  
more  
usable.

But I'm noticing that I don't seem to be receiving on frequency. =  
I  
get stuff above and below, but can't seem to tune it so I receive=  
on  
the same frequency I'm transmitting on. Is this a function of=  
the DC  
receiver, or is something else wunky? I've tried adjusting the  
trimmer cap by the crystal, and it does move things a LITTLE, but=  
not  
enough to really notice.

I can't help but wonder if I'm missing contacts because I can't=  
hear  
'em on 3.6864.

At least the ZM-2 ATU is working right. :)

--- Gwen

-- Gwendolyn, wendy\_lyn@unforgettable.com on 10/03/2000

-----  
Date: Tue, 3 Oct 2000 21:52:28 EDT  
From: Nv4t@aol.com  
To: W1R0@aol.com, qrp-1@lehigh.edu

Subject: [80688] Re: Has anyone tried this?  
Message-ID: <3a.b2b6fe7.270be75c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Maybe someone needs to say " Hey Y'all., look at this!"

-----  
Date: Tue, 03 Oct 2000 21:08:55 -0500  
From: Goemans <jgoemans@facstaff.wisc.edu>  
To: qrp-l@lehigh.edu  
Subject: [80689] Anyone want EEM 2000 books?  
Message-ID: <3.0.2.32.20001003210855.00698cb8@facstaff.wisc.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi,

I will send my set of EEM2000 (Electronic Engineers Master Catalog) to one of you builder types, for just the cost of postage. You get all four (softcover) volumes, A: electronic components, B: electromechanical and electro-optical, C: Interconnections packaging and hardware, and D: power sources, instrumentation, computer products and equipment. Kinda heavy, the stack of 4 is six inches thick. Yep, I got a new set. Pay forward as the Chuckmeister would say...

I was going to jump into the Mi QRP net tonight but a thunderstorm was nearby and the QRN was horrendous...

72, Paul WA9PWP

Paul Goemans WA9PWP  
1508 Sundt Lane Stoughton, Wi 53589  
wa9pwp@arrl.net

-----  
Date: Tue, 3 Oct 2000 19:15:25 -0700  
From: "Glenn Maclean" <glennmaclean@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [80690] SMK-1 First Contact  
Message-ID: <001601c02da8\$f8efe1c0\$8b59aec7@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



I finished putting together my SMK-1 last night. It all seemed to be working as advertised. I decided to go ahead and give it a spin and started calling CQ while trying to figure out how to work the transmit and receive controls together. No one answered. Then I heard K7QO calling CQ and thought to my self there is no way Chuck is going to hear me. I gave him a call. Well to my surprise he came right back to me. It made my night to have Chuck in the log as my first SMK-1 contact. Chuck was using his new home brew rig which sounded great.

I am looking forward to the SMK-1 QSO party Friday night at Pacificon. Now I need to get my QSL cards made up. I would like to encourage anyone else out there with a SMK-1 kit to give it a try. It is a fun little rig. If you have one bring it Pacificon Friday night. Thanks again Chuck.

Glenn WA7SPY  
Sacramento, CA

-----  
Date: Tue, 3 Oct 2000 20:55:25 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu  
Subject: [80691] Wanted... Ten Tec Powermite  
Message-ID: <39DA47BD.30330.26CD62@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Posted on behalf of wb2gin-- please reply to him at the address below (not to me).

WTB tentec powermite. can be 2, 2a 3a whatever. pse e-mail off list.  
tnx es 73 wb2gin

ptay1@bestweb.net

-----  
Date: Tue, 3 Oct 2000 21:07:52 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu  
Cc: rattray@gpfn.sk.ca  
Subject: [80692] FOX: New Big Dawg  
Message-ID: <39DA4AA8.28982.3231E8@localhost>  
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Ben NW7DX had to step down due to other commitments, so we went off to the pound and adopted another Big Dawg.

No stranger to those of you who dabble in DX, Bill K0MP is president of the Mile-High DX Club, big-gun contester, and all-around nice guy if you don't get in his way. I don't know what rig he'll be using, but his antenna.... heard of the Titan-X? You know, the titanium vertical that's 27M (!) tall.

Welcome aboard, Bill, and all of us Dawgs would like to thank Ben for an outstanding job last summer when we did a little remedial rat education. [g]

Marshall Emm, N1FN  
Milestone Technologies, Inc.  
(303) 752-3382  
<http://www.mtechnologies.com>

-----  
Date: Tue, 03 Oct 2000 23:18:57 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <FPqrp-1@mpfn.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [80693] Re cleaning old antenna wire  
Message-ID: <3.0.32.20001003231853.0077b88c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here in Kentucky, we usually have an old car parked out in the yard so we just just pop the hood and soak the wire in batry acid. Then we thos it out on the gravel road. Bubba usually comes by in his pickup truck on a six pack run about that time and stirs that ware up a bit more.  
73 Pete NV4V

-----  
Date: Tue, 03 Oct 2000 20:18:17 -0700  
From: Thomas Kuehl <ac7a@gci-net.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80694] Seeking Solid Copper Wire Source  
Message-ID: <39DAA179.D88D39@gci-net.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

List,

I have been attempting to find a source for insulated, AWG no. 16 and no. 18, solid copper wire. Stranded wire is readily available, but the only solid wire I've been able to find is enameled. They aren't suitable for my torroid experiments.

So far I have tried BG Micro, All Electronics, Hosfelt, Dan's, and The Wireman. If you can think of some other sources to try, or if you have some of this wire surplus to your needs, I would be pleased to hear from you.

Regards, Thomas (AC7A) - Tucson

-----  
Date: Wed, 4 Oct 2000 03:23:59 +0100  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [80695] Re: Re cleaning old antenna wire  
Message-ID: <002201c02daa\$28daebe0\$89fa070a@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yep, Pete, thats what we do here in Mishgan too. Works every time, yes it does.  
de Steve, W8SFF

-----  
Date: Tue, 03 Oct 2000 23:30:33 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Cc: FPQRP-L@mpna.com  
Subject: [80696] Re: FOX: New Big Dawg  
Message-ID: <3.0.32.20001003233029.0093e334@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Woof-Woof :-)  
73 Pete NV4V

One of THE HATED RATZ

-----  
Date: Tue, 3 Oct 2000 23:43:45 EDT  
From: AD6JY@aol.com  
To: qrp-1@lehigh.edu  
Subject: [80697] SMK-1 Questions  
Message-ID: <2f.b53cbb0.270c0171@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi,  
I'm pretty sure my SMK is working-- lots of signals on the reciever (too many at times !) and the trasmitter seems to be working. I have a couple of questions:

1)I'm still not really sure how you get the transmitter zero beat on a station. Could someone please review the procedure for me? I hear a lot of signals and its hard to figure if the frequency is clear. How do you know where you are trasmitting so you don't QRM someone with the massive 300 mW signal?

2. I hope to make it to the Pacificon SMK event (if I can figure out how to actually use the thing). What sort of antenna would work for that? Probably doesn't take a whole lot but it seems like you'd want to try and keep the SMK's final amp happy

Thanks

Dan  
AD6JY

-----  
Date: Wed, 04 Oct 2000 06:58:28 +0200  
From: Chris Wagner <mm1esg@compuserve.de>  
To: ekwik@rtimail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80698] Info sought on the RedHot NC-20, i.e. price  
Message-ID: <39DAB8F4.1FF4A8BB@compuserve.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi there,

I would appreciate infos on this neat little kit and some performance comparison to its peers. Thank you!

72, Chris MM1ESG

-----  
Date: Wed, 04 Oct 2000 07:01:46 +0200  
From: Chris Wagner <mm1esg@compuserve.de>  
To: unlisted-recipients:; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [80699] comparison of the RH NC-20 with its peers?  
Message-ID: <39DAB9BA.9E55FA00@compuserve.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello everybody:

has someone built and compared the RH NC-20 to the SWL DSW-20 etc.?  
Feedback will be greatly appreciated! Mni tnx es 72, Chris MM1ESG

-----  
Date: Wed, 04 Oct 2000 06:06:21 -0400  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: n4xy@arrl.net  
Cc: SWL Reflector <swl@qth.net>, CW Reflector <cw@qth.net>, QRP-L Reflector <qrp-l@Lehigh.EDU>, Antennas Reflector <antennas@qth.net>  
Subject: [80700] Re: [CW] FW: Aurora Watch + An Unusual Asteroid  
Message-ID: <39DB011C.E45F8BB5@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks:

The last two nights the Northern Lights have been very bright and active here in Thunder Bay, Ontario.....Yesterday morning(October 3-00 Tuesday), I went outside to leave for work at 6:10 am, and the lights were dancing across the sky in a display that has not been seen like that for a while here...We see teh aurora lots, but not like this.....  
So keep those radios on,and antennas pointed North,looks like some great activity is on its way...

Fred  
VE3FAL  
EN58hh

-----  
Date: Wed, 4 Oct 2000 05:33:24 -0500  
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [80701] Epiphyte  
Message-ID: <E90EEF51A894D411963F0006298F2BF706B1DA@PRODMLIN04>  
MIME-Version: 1.0  
Content-Type: text/plain

Are there any articles or books that contain information / schematics for an earlier version of the Epiphyte SSB rig? I am interested in reading up on the rig prior to receiving the kit.

Tnx, 73 de N9WR Don C. Faith III

-----  
Date: Wed, 04 Oct 2000 06:38:10 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-l@Lehigh.EDU  
Subject: [80702] NETXQRP group  
Message-ID: <3.0.2.32.20001004063810.006eb4a8@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

The NETXQRP group held its first meeting at John Y Miguel's in Terrell TX. The food was good, the conversation great and the equipment demo's enlightning. Some of us got to see a pair of operational K2s for the first time. An impressive piece of equipment.

For our next meeting, tentatively scheduled for the 3rd Saturday in October, we hope to put some equipment on the air. Time and place TBD.

Anyone in the NE Texas area who would like to join us, let us know and we'll put you on the list. An email in reply is all that is needed.

W5USJ, one of the NETXQRP group.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Wed, 4 Oct 2000 08:19:25 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ac7a@gci-net.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [80703] Re: Seeking Solid Copper Wire Source  
Message-ID: <007f01c02dfd\$58a72a20\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You may have a problem with this...

It's available, and listed in catalogs, but not common. Not common at all.

You'll probably have to buy a pretty substantial spool of it.

Thing is, I think 16 is listed as 10amp only (I'd have to check) so no one is going to use it except as a manufacture for 'chassis' wiring. 14 is the biggest that would be commonly available. What 'generic' uses there are for 16 and 18 are almost always going to be stranded for the flexibility issues.

The 18 though is available at Radio Shack. They sell a 'three spool set' of 20 feet each, different colors, 18ga solid wire for \$4 (Cat 278-1217).

DigiKey list a 100' spool of 300v rated 16ga solid wire for \$18.70.

Mike

> I have been attempting to find a source for insulated, AWG no. 16 and no.

> 18, solid copper wire. Stranded wire is readily available, but the

only  
> solid wire I've been able to find is enameled. They aren't suitable  
for my  
> torroid experiments.  
>  
> Regards, Thomas (AC7A) - Tucson  
>

-----  
Date: Wed, 4 Oct 2000 05:43:40 -0700 (PDT)  
From: Doug Bankston <dougbankston1@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80704] On-Line QRP Webzine  
Message-ID: <20001004124340.15836.qmail@web4302.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Just wanted to let everyone know that the October  
Issue of "Barefoot Radio", is on the streets and can  
be viewed at [www.qsl.net/vqs](http://www.qsl.net/vqs)

the October edition includes articles by:  
W4IM: Tuna Tin 2  
AE4CU: Ham Radio on the Cheap...  
KA0TPX: "Tube Tough" "3rd World Candle Power Rig" (+  
various Poems etc.)  
W4IDW's "Drudge Report"

G0AIR and KC0GXX have both volunteered to provide  
monthly columns to "Barefoot Radio".. Both of them  
submitted columns for this months edition, but I  
waited too late to get them properly posted. I  
apologize to them and wanted everyone else to be on  
the lookout from now on for articles by KC0GXX and  
M0AIR.  
73's  
the Virginia QRP Society.....

-----  
Do You Yahoo!?  
Yahoo! Photos - 35mm Quality Prints, Now Get 15 Free!  
<http://photos.yahoo.com/>  
-----



Date: Wed, 4 Oct 2000 07:11:33 -0600  
From: "Steve/n0tu" <n0tu@webaccess.net>  
To: <ARDUJENSKI@aol.com>  
Cc: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [80705] Re: Bob-tale  
Message-ID: <000c01c02e04\$9eeaaaaa0\$d208710f@sg2939h.col.hp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Not sure yet Alan, I was amazed how quiet it is? I setup for the SP in the middle of my field under the bobtail and didn't have time to hook the proper matching setup for the antenna. K2 was set on 7040 while I stretched out 4 radials for starters. AND I just hooked the 300 ohm to the center leg and let the ZM2 do the work. Some stations were really loud and others were in the noise.<g> My Q rate was horrible but I was cold and hungry and unable to concentrate! Maybe worked 14 stns in the hour. I finally got so cold that I couldn't send worth a darn or maybe my paddle was getting stiff at any rate pulled the plug. Best part was my QSO w/Bob-N7XJ at 20Mw! FUN!

Last night I hook the run into the house/shack and did a little comparing w/inverted vee. WOW! Looks like it has some gain on DX stns and the local US stns seem to drop into the noise almost. But so does the noise floor. The BT is almost too quiet like it's shorted? Loads ok and the JAs jump up lil when switching from the vee to the BT? So I guess it's working. It's beamed ur way or NW for the Pacific. Not by design but that's where the trees decided to grow?! I think I need to read more on BTs and add more radials!!

Also, I think my 400'+ of aged twinlead needs to be replaced w/some newer gooder stuff and elevated of the ground for starters!! (duh) It's in a plastic pipe just above the ground now.

Band cndx here are lil weird this AM signals are watery sounding. One very loud ZL working US stns on 7014 (1230Z) he didn't hear my 5w thru the pileup! Nutz!

Tks for your interest! Steve/n0tu

-----Original Message-----

From: ARDUJENSKI@aol.com <ARDUJENSKI@aol.com>  
To: n0tu@webaccess.net <n0tu@webaccess.net>  
Date: Tuesday, October 03, 2000 7:25 AM  
Subject: Bob-tale

>STEVE,

>Cpmpany came over so missed teh Sprint. How did the Bobtail work for you?  
At  
>your location I would have thought it easily worked both coasts...Alan  
KB7MBI  
>

-----  
Date: Wed, 4 Oct 2000 06:35:38 -0800  
From: Mike <mparkes@att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [80706] Nice Aurora in Eastern WA  
Message-ID: <v04003a00b600effa5a14@[12.73.160.194]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Saw a very nice Aurora display here in Eastern WA (near Spokane) last night around 2-3 am - some nbice curtain effects and later on began to get some very fast "waves" moving across the sky -- not sure what the bands were doing but probably some good Auroral prop on 6/2? Did anyone else catch the lights and/or propogation?

73/72 Mike AB7RU  
Newman Lake, WA

-----  
Date: Wed, 4 Oct 2000 10:18:18 -0400 (EDT)  
From: "baltimoreemd@baltimoreemd.com" <baltimoreemd@baltimoreemd.com>  
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>  
Subject: [80707] Carrier on 30 meters  
Message-ID: <Pine.BSI.4.05L.10010041017440.13079-100000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Most days I hear a carrier on 10.109 or thereabouts...I don't think it's a birdie in the K2.

Does anyone else hear it? Any idea of the source? If it's really not local noise or a birdies...it seems that 30 meters is open(to somewhere) a lot...and it could use more qrp qso's.

For reference, I'm in Maryland, the signal is usually present in daylight hours and ranges from S5 to S9.

Thom

../../../../../../../../../../../../../../../../../../../../  
baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster

<http://www.baltimoremd.com/> Baltimore's Home Page  
<http://www.baltimorehon.com> Home of the Baltimore Lexicon  
<http://www.min.net/~thom/> QRP and Drake Mail List Pages

-----  
Date: Wed, 4 Oct 100 09:20:36 -0500 (GMT+5)  
From: wd9eyb@butler.qrp.com  
To: qrp-l@lehigh.edu (QRP List)  
Subject: [80708] Re: W8PIG/9 and the HoosierHills Hamfest  
Message-ID: <200010041420.JAA31772@butler.qrp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

I attended the forum on Sunday and it was good.  
Thanks for putting it on. I took some pictures and you can see those at  
<http://butler.qrp.com/~wd9eyb/bedford/qrp.html>  
I was the ugly guy sitting at the table in the back.

Thanks,

Jim, WD9EYB

-----  
Date: Wed, 4 Oct 2000 10:28:39 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [80709] Re: FOX: New Big Dawg  
Message-ID: <20001004.102841.-324993.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Attn: Big Dawg:

When u heah the THUNDER u kneaux the lightning is close  
In Cajun country when u Hear Cajun Thunder u Kneaux some Dawg done bit  
the dust.... and the best thing to do is head for cover...  
ke1la joel

in maine  
just a grinning

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.  
-----

Date: Wed, 4 Oct 2000 08:17:46 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [80710] George Heron's PSK31 Article in Fall QRPP  
Message-ID: <01c02e16\$3fe98280\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, George Heron just sent me the preview copy of the article that he is doing for the fall issue of QRPP that will go out right after Pacificon. When I opened it up, my mouth dropped open, and my thoughts were OH MY GOSH!! This article is unbelievable in its detail and explanations about PSK Portable operation. George has a project that uses a PSK20 board from Dave Benson, and a PSK80 Warbler board soon to be released in kit form by the NJ QRP Club (YES they will be available at Pacificon). So what is Doug so excited about? We have all seen and heard of PSK? The exciting part is George's interface!! NO COMPUTER IS NEEDED, NONE!!!!!! How does he do it? Paddle input, LCD output, all in one unit. 2 bands, Portable PSK.

George will be one of the exciting presenters at Pacificon, and will have his yet to be named rig with him for a demo. If you can't make Pacificon and would like to have a copy of this article, you need to subscribe to QRPP now!! To subscribe to QRPP, send \$15 (\$20 DX) for 1 year (4 issues) or \$30 (\$40 DX) for two years to:

Jim Cates  
3241 Eastwood Rd.  
Sacramento, CA 95821

Also in the fall issue will be a fantastic manhattan style construction article of a full featured 10 meter cw transceiver based on the SST by Mike Fitzgibbon and illustrated, and boy do I mean illustrated by Paul Harden, NA5N.

Larry East, W1HUE, who is the resident expert on the MFJ Cub, has written

the definitive article on the mods needed for the Cub. The improvement in the kit with Larry's mods are huge. All of his mods are in the article. A must for anyone who owns a Cub.

Plus, another article from Bob Tellefsen written in the "Ol' Kenwood" style, a couple of articles from Wayne McFee on an Amp for the SMK-1, and other assorted goodies.

But you must be a current subscriber to get the issue. We need to get your sub as soon as possible, as I will be taking the material to the printer this week, and will have to give him a final production number by the end of next week, don't delay.

72, Doug

Please make check to Jim Cates, NOT NorCal, and send a brief note stating if this is a new subscription or a renewal.

-----  
Date: Wed, 4 Oct 2000 08:25:39 -0700 (PDT)  
From: Steve Yates <aa5tb@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [80711] Re: Carrier on 30 meters  
Message-ID: <20001004152539.5753.qmail@web3002.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi Thom,

There are several "strange" signals on 30m that would serve as good beacons if we only knew where they were. I'll listen for the carrier on 10.109MHz.

In the evenings there is a strong RTTY station on 10.100MHz and in the mornings a strange signal on or about 10.115MHz that is usually just a carrier but then goes into what sounds like a facsimile transmission. Last night the MOSSAD fired up again on 10.125MHz at 0345UTC with the voice number station identifying as VLB2. In the past the identifier had been CE02 but this station seems to have moved up to about 10.359MHz if I remember correctly.

It can be fascinating just listening to the many strange stations on 30m.

This time of year and sun spot cycle 30m is open to somewhere 24 hours a day. DX

operation is  
fairly easy even though the DX population is relatively low. The band can sound  
dead and yet you  
might receive a 579 out of Hungary or somewhere out of the blue.

=====

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
[aa5tb@arrl.net](mailto:aa5tb@arrl.net)

-----  
Do You Yahoo!?  
Yahoo! Photos - 35mm Quality Prints, Now Get 15 Free!  
<http://photos.yahoo.com/>

-----  
Date: 4 Oct 00 10:26:22 EST  
From: M Goins <[mgoins@usa.net](mailto:mgoins@usa.net)>  
To: [qrp-l@LeHigh.EDU](mailto:qrp-l@LeHigh.EDU)  
Subject: [80712] 30 ' fiberglas poles - long  
Message-ID: <20001004152622.2877.qmail@aw162.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Don't know if anyone but me is interested, but I stumbled upon some new,  
unused, 30' telescoping fiberglas poles (not fishing poles). These are the  
ones that the power company uses to reach fuses to reset them, etc. and they  
look like they would make great permanent or portable antenna supports (too  
heavy for backpacking but could be good for field day, the beach, etc.). The  
seller's name is Bill Cannon and his e-mail address is:  
[bcannon@optonline.net](mailto:bcannon@optonline.net)

His company used a number of these poles for some sort of communications  
evaluation in Europe/Russia and had these left over. They sell for \$250 each  
and he will sell them for \$113 plus freight (about \$20 or so, ground).

The site for the actual product is [www.hfgp.com/cgi-bin/gen\\_search.cgi](http://www.hfgp.com/cgi-bin/gen_search.cgi) =

No connection to the seller of any kind - just stumbled over the item for= sale. If interested, check it out and e-mail cannon at the above address.=

mike  
wb5yjx =

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

-----  
Date: 4 Oct 00 08:32:43 PDT  
From: Michael Fletcher <kl7ixi@usa.net>  
To: qrp-1@lehigh.edu  
Subject: [80713] Re: Getting scratches out of Lexan  
Message-ID: <20001004153243.5615.qmail@localhost>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

McGuires is what I use on a motorcycle screen. It works well on the = fine stuff, but with rocks at highspeed I'm just grateful that I have the= = screen.

For plastics, such as LED displays, I use ordinary toothpaste. It = worked for scratches on my Tandy Model 100 and WP2 notebook = displays. Put a dab on without water and rub briskly with a terrycloth = towel.

72,  
Mike KL7IXI/7  
Poulsbo, WA

-----  
Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

-----

Date: Wed, 4 Oct 2000 10:37:07 -0500  
From: Bcieslak@ra.rockwell.com  
To: qrp-1@Lehigh.EDU  
Subject: [80714] No Foxburo this year  
Message-ID: <0F88E8D5A2.0A5681F3-0N8625696E.0055052D@ra.rockwell.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Last year the QRP Cheeseheads tried to run a qsl buro for foxes and foxhunters in a effort to save some bucks on postage. Then end result was that because of under utilization not a lot of savings were realized by those who used it so we decided not to take part in this project again this year. However I recently discovered an alternative that is even better. electronic QSLing at

<http://www.eqsl.cc/qslcard/index.cfm>

Apparently foxes can just upload their logs and hunters can go retrieve their QSL's...no postage necessary..Currently there is no fee so its a good opportunity to explore and experiment.

With the rising price of postage and cards this station will be QSLing electronically as often as he can.

Brian AE9K

CU in the fall QSO party and JOTA

-----  
Date: Wed, 4 Oct 2000 09:01:48 -0700  
From: "Mont Pierce" <MyGrapeVine@yahoo.com>  
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [80715] Re: George Heron's PSK31 Article in Fall QRPp  
Message-ID: <007301c02e1c\$679a47a0\$27010101@RTA>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've heard about his before, and it sounds very interesting... :)

But I have one question: If you make a mistake, then send eight dits,



does it do a backspace? (I make a lot of mistakes.....)

It would be kind of comical if when you send eight dits it would send "OOPS". hi  
hi

72,  
km6wt

----- Original Message -----

From: Hendricks, Doug <ki6ds@dpol.k12.ca.us>  
To: Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>  
Sent: Wednesday, October 04, 2000 8:17 AM  
Subject: George Heron's PSK31 Article in Fall QRPP

> Guys, George Heron just sent me the preview copy of the article that he is  
> doing for the fall issue of QRPP that will go out right after Pacificon.  
> When I opened it up, my mouth dropped open, and my thoughts were OH MY  
> GOSH!! This article is unbelievable in its detail and explanations about  
> PSK Portable operation. George has a project that uses a PSK20 board from  
> Dave Benson, and a PSK80 Warbler board soon to be released in kit form by  
> the NJ QRP Club (YES they will be available at Pacificon). So what is Doug  
> so excited about? We have all seen and heard of PSK? The exciting part is  
> George's interface!! NO COMPUTER IS NEEDED, NONE!!!!!! How does he do it?  
> Paddle input, LCD output, all in one unit. 2 bands, Portable PSK.  
>  
> George will be one of the exciting presenters at Pacificon, and will have  
> his yet to be named rig with him for a demo. If you can't make Pacificon  
> and would like to have a copy of this article, you need to subscribe to QRPP  
> now!! To subscribe to QRPP, send \$15 (\$20 DX) for 1 year (4 issues) or \$30  
> (\$40 DX) for two years to:  
>  
> Jim Cates  
> 3241 Eastwood Rd.  
> Sacramento, CA 95821  
>  
> Also in the fall issue will be a fantastic manhattan style construction  
> article of a full featured 10 meter cw transceiver based on the SST by Mike  
> Fitzgibbon and illustrated, and boy do I mean illustrated by Paul Harden,  
> NA5N.  
>  
> Larry East, W1HUE, who is the resident expert on the MFJ Cub, has written  
> the definitive article on the mods needed for the Cub. The improvement in  
> the kit with Larry's mods are huge. All of his mods are in the article. A  
> must for anyone who owns a Cub.  
>  
> Plus, another article from Bob Tellefsen written in the "Ol' Kenwood" style,  
> a couple of articles from Wayne McFee on an Amp for the SMK-1, and other

> assorted goodies.  
>  
> But you must be a current subscriber to get the issue. We need to get your  
> sub as soon as possible, as I will be taking the material to the printer  
> this week, and will have to give him a final production number by the end of  
> next week, don't delay.  
>  
> 72, Doug  
>  
> Please make check to Jim Cates, NOT NorCal, and send a brief note stating if  
> this is a new subscription or a renewal.

-----  
Date: Wed, 4 Oct 2000 12:47:27 -0400  
From: John AE5X <ae5x@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [80716] Aluminum tubing for antenna projects?  
Message-ID: <20001004.124728.11398.0.ae5x@juno.com>

Good morning all,

After years of reading about home-made Yagis, verticals, quads, etc that use aluminum tubing, I finally decided to build something (2 el vert for 80m) myself. A lot of articles in QST and various books call for using 12' sections of aluminum with diameters ranging from 1-1/4" to 1/2" that will "telescope" into each other in order to achieve the desired length. I went to Home Depot then Loews and then a local hardware store and not only do they not have it, they don't have any idea where I can get my hands on even a 10' length of aluminum. Who sells this stuff?! Seems to be as scarce as hen's teeth around here.

Thanks & 72,

John Harper, AE5X  
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20  
Outdoor QRP <http://www.qsl.net/ae5x>

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 04 Oct 2000 09:55:16 -0700

From: Allan G Taylor <k7gt@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [80717] Re: Carrier on 30 meters; DX out of the blue  
Message-ID: <39DB60F4.7280@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I concur with Steve as to 30m being a band to be checked out for DX even though it might sound dead. Yesterday morning I popped up there with the intent of looking for JAs in new prefectures (working on the Keyman Club of Japan awards). Nary a peep except a weak but not warbly CQ at about S2. I just couldn't believe it when he gave his call as 3B8CF. Pounce! No pileup or anything when I came across him. There was a small pileup after my quick QSO. After the QSO at 100W for country #229, I tried as AE6TT/QRP toward the DXCC Millenium award tally but without success.

Bottom line: time spent snooping around (and calling CQ!!) on 30m may well yield some DX delicacies!

GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

-----  
Date: Wed, 4 Oct 2000 13:06:48 EDT  
From: NB6M@aol.com  
To: AD6JY@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [80718] Re: SMK-1 Questions  
Message-ID: <c0.9f60cd7.270cbda8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Dan,

Try this into a dummy load at first, so you get the hang of it. Also, I hope that my explanation isn't too confusing. If so, please email with any questions you have.

The limiting part of operating the SMK-1 is the small amount of transmitter tuning range you have. With the receiver, you can hear several Khz of the

band at the same time due to it being DC and having no audio filter. Also, the receiver tuning range is quite a bit wider than the TX, so the thing to do is tune the receiver so as to hear a pleasing tone pitch from your transmitter sidetone. That way you will be close enough to your transmitter frequency to quickly and easily tell if a received signal is on your frequency or not.

Although the receiver tunes a wider range than the transmitter, I haven't had any "split" frequency QSOs with mine, as everybody is so used to just listening on their own frequency after a CQ that they don't seem to tune up and down for other signals.

Initially, into a dummy load, set your transmitter tuning knob somewhere close to the left (counterclockwise end) of its travel, key the transmitter and tune the receiver knob for zero beat on the transmitter frequency.

That means tune the receiver across the transmitted frequency until you get the lowest tone pitch possible (no tone). Then, tune the receiver away from zero beat until the tone pitch received is to your liking, and there you are.

Although it doesn't matter, in terms of receiving, which direction you turn your receiver tune pot away from zero beat on your transmitter, I usually turn back to the left to get the tone pitch I want. That way, if I need or want to move the TX up in frequency, clockwise on the TX pot, I know I can adjust the RX pot the same direction to get my desired tone pitch and be ready to QSO on the new frequency.

When you have the TX & RX tuned, switch from your dummy load to your antenna, and listen for signals. If you hear a signal that is the same approximate tone pitch as your transmitter signal, you need to check to see if the received signal is the same direction away from your receiver LO as your transmitter is.

While listening to the received signal, turn the receiver tune pot back towards zero beat on your transmitter frequency. (If you turned the pot away from zero beat to the left, turn it now slightly to the right). If you are unsure which direction to turn the RX tune pot, key the TX momentarily while you turn the pot. If the tone pitch goes down as you turn, you are going the right direction.

Then, if the received signal's tone pitch goes down as you tune the receiver towards zero beat for your TX signal, the received signal is on the correct side of your Receiver LO and if the tone pitch is close to or the same as your sidetone pitch, the received signal is on or very close to the frequency of your transmitter. So at that point you are all set to QSO.

As long as your transmitter signal is close enough to the other guy's frequency to be heard in the passband of his receiver, it is close enough for

a QSO. And, the other guy may have more tuning range and be able to zero beat you after the first exchange.

If the other ham is calling CQ, answer. If not, wait until the present QSO on frequency is finished and call the loudest one of the two.

However, if the received signal's tone pitch went up as you tuned towards the zero beat position, the received signal is not on your transmitter frequency and if the qrm from the received signal (due to the wide passband of the SMK receiver) is not too bad, you can go ahead and call CQ. Turning the receiver tune pot slightly to change the tone pitch of the received signal will help a bit. Or, you can turn the receiver tune pot past the zero beat position for your transmitter and adjust the receiver for a nice tone pitch on the other side of your transmitter frequency, and that may remove the qrm completely.

If the frequency at the left (counterclockwise) end of the TX tuning range is occupied and you want to try a different frequency, turning the TX tune knob all the way to the right (clockwise) moves the TX about 1 Khz up in frequency. With the wide pass band of the receiver, you will usually be able to tell if that frequency is occupied or not, especially after you get used to deciphering what you are hearing as you make slight tuning adjustments with the receiver.

Turn the TX tune pot enough to the right to get away from the occupied frequency, and while you ask if the new frequency is clear, tune the receiver tune pot to the right until you have your desired sidetone pitch again, and there you are.

Again, try the initial tuning on a dummy load first, and when you get the hang of it you will be able to make the needed TX and RX tuning adjustments almost automatically. Once the RX pot is set for a nice tone pitch in your sidetone, and knowing that tuning the TX pot can only move the TX one Khz, adjustment of the RX becomes quite easy.

As for the antenna for the SMK contest at Pacificon, I was going to look up the antenna article in QST that described a small antenna that was basically a tank circuit with a short stinger on top. As I recall, the whole antenna was only a couple of feet tall. Certainly, within the room, not much is going to be needed. Probably even a 50 Ohm resistor with a couple of feet of wire hanging off of it would work in this case. I think the problem is not so much going to be effectively getting out as it is seperating the received signals enough to make the required exchange. So, a narrow audio filter might be more of an advantage than the type of antenna.

-----  
Date: Wed, 04 Oct 2000 13:19:35 -0400  
From: Joe Street <jstreet@venus.uwaterloo.ca>  
To: qrp-l@Lehigh.EDU  
Subject: [80719] Re: Alternate power sources for QRP  
Message-ID: <39DB66A7.72988A1C@venus.uwaterloo.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I remember hearing about a generator that was commercially available which was powered by a stirling engine. For those who don't know what this is, it is somewhat similar to a steam engine but instead of steam it uses just the thermal expansion of air to move the piston. When it was originally proposed it was not practical however modern materials allow for the high temperature seals to be practical. Any source of sufficient heat will produce electricity. You simply place one end on the device into the fire pit or under a large fresnel lens, nuclear thermopile or what have you, and presto electricity comes out the other end. Convenient and perfect for would be mountain men! Perhaps a small version is available which would be cool for radio power. Or should I say hot?

vx0

-----  
Date: Wed, 4 Oct 2000 17:25:25 +0100  
From: "Walter D Amos" <waltk8cv@surfree.com>  
To: "Qrp-L Posts" <qrp-l@lehigh.edu>  
Subject: [80720] 30 meters  
Message-ID: <004b01c02e1f\$b47b0980\$e9891b26@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thom and the rest of QRP-L:

Isn't 30 meters great or what! Don't I seem to remember from reading something not on the INTERNET and maybe in QST that we ( hams ) share 30 meters? Isn't there also something about we ( hams ) are not the primary users and must NOT interfere with them? Aren't we ( hams ) the SECONDARY users? I seem to actually have READ that somewhere and not found it on the INTERNET but it could have just been a senior moment and 1500 watts of SSB

is allowed on 30 meters especially on top of INTRUDERS ..... :-)

Wally the DUMB !!

-----  
Date: Wed, 04 Oct 2000 12:04:14 -0500  
From: Lew Paceley <lew@paceley.com>  
To: ae5x@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80721] Re: Aluminum tubing for antenna projects?  
Message-ID: <00b301c02e25\$1fbb2540\$0332a8c0@roland.swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="Windows-1252"  
Content-transfer-encoding: 7bit

Hi John,  
One source is Texas Towers in Plano (near Dallas): [www.texastowers.com](http://www.texastowers.com) They also have 6 foot lengths which are less costly to ship. Usual disclaimer - no affiliation. Good luck and

72/73,  
\*Lew\*  
N5ZE

----- Original Message -----  
From: "John AE5X" <ae5x@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, October 04, 2000 11:47 AM  
Subject: Aluminum tubing for antenna projects?

> Good morning all,  
>  
> After years of reading about home-made Yagis, verticals, quads, etc that  
> use aluminum tubing, I finally decided to build something (2 el vert for  
> 80m) myself. A lot of articles in QST and various books call for using  
> 12' sections of aluminum with diameters ranging from 1-1/4" to 1/2" that  
> will "telescope" into each other in order to achieve the desired length.  
> I went to Home Depot then Loews and then a local hardware store and not  
> only do they not have it, they don't have any idea where I can get my  
> hands on even a 10' length of aluminum. Who sells this stuff?! Seems to  
> be as scarce as hen's teeth around here.  
>  
> Thanks & 72,  
>  
> John Harper, AE5X  
> HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20

> Outdoor QRP <http://www.qsl.net/ae5x>  
>  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 4 Oct 2000 12:24:11 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'ae5x@juno.com'" <ae5x@juno.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80722] RE: Aluminum tubing for antenna projects?  
Message-ID: <E78D8A9D6762D411B5440008C791D4AA199B95@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

John,  
Generally, sections of aluminum tubing that telescope into a next larger or smaller size are those with 0.058" thickness walls. (Check the tubing table in your ARRL Handbook -- you DO have a copy of it, don't you?)

Anyway, the best source of aluminum (telescoping) tubing is Texas Towers in Plano, Texas. The advertise in Q-Street, CQ and have an 800 number (which you can obtain from 1-800-555-1212, information).

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: John AE5X [SMTP:ae5x@juno.com]  
> Sent: Wednesday, October 04, 2000 11:47 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Aluminum tubing for antenna projects?  
>  
> Good morning all,  
>  
> After years of reading about home-made Yagis, verticals, quads, etc that  
> use aluminum tubing, I finally decided to build something (2 el vert for  
> 80m) myself. A lot of articles in QST and various books call for using  
> 12' sections of aluminum with diameters ranging from 1-1/4" to 1/2" that  
> will "telescope" into each other in order to achieve the desired length.  
> I went to Home Depot then Loews and then a local hardware store and not  
> only do they not have it, they don't have any idea where I can get my  
> hands on even a 10' length of aluminum. Who sells this stuff?! Seems to



> be as scarce as hen's teeth around here.  
>  
> Thanks & 72,  
>  
> John Harper, AE5X  
>

-----  
Date: Wed, 4 Oct 2000 13:20:05 -0500  
From: Harvey.Mitchell@enron.com  
To: qrp-1@lehigh.edu  
Subject: [80723] VQS Barefoot Radio  
Message-ID: <0FC56CE1AE.BAB50A7C-ON8625696E.00644F3B@enron.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Gang,

I just looked at the VQS Barefoot Radio (you know, from the guys who are tired of paying for other QRP journals) and all I can say is you get what you pay for.

72,

Harv

-----  
Date: Wed, 04 Oct 2000 13:39:32 -0500  
From: John Bohnert <johnb@elmhurst.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80724] Summer QRPP  
Message-ID: <39DB7964.AFEFF648@elmhurst.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I wish to Paul for the inclusion of Paul Harden's "Learning Electronic Circuits from the Desert Ratt Regen Receiver" (pp.44-52, and insert) in the Summer QRPP. This contribution captures an important characteristic of the world of QRP...the understanding that learning basic electronics stimulates and sustains interest in amateur radio and QRP. I am certain that Paul could 'sleep-walk' through all of the material found within these pages, therefore, I thank Paul for choosing to use his time and creativity to help many of us enjoy more fully the world of

QRP. Thanks to Doug for yet another high quality issue of QRPP.

72 N9KW John Elmhurst, IL

-----  
Date: Wed, 04 Oct 2000 13:41:07 -0500  
From: John Bohnert <johnb@elmhurst.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [80725] Summer QRPP  
Message-ID: <39DB79C3.ED1E533B@elmhurst.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I wish to thank Paul for the inclusion of Paul Harden's "Learning Electronic Circuits from the Desert Ratt Regen Receiver" (pp.44-52, and insert) in the Summer QRPP. This contribution captures an important characteristic of the world of QRP...the understanding that learning basic electronics stimulates and sustains interest in amateur radio and QRP. I am certain that Paul could 'sleep-walk' through all of the material found within these pages, therefore, I thank Paul for choosing to use his time and creativity to help many of us enjoy more fully the world of QRP.

72 N9KW John Elmhurst, IL

-----  
Date: Wed, 04 Oct 2000 12:36:36 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [80726] K1 Update; Call for Articles and Pictures; Pacificon Oct. 20-22.  
Message-ID: <39DB86C4.58814218@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

K1 Update:

We have incorporated the K1 design enhancements from our Field Test and the final production PC board design was released to fabrication Tuesday 10/3. K1 PC boards are due back Friday 10/13 and we will start shipping Tuesday, 10/17. (We have been kitting all the other K1 parts in preparation for receipt of the PC Boards.)

The Field Test has been invaluable. The K1's TX power is greater than 5W on all bands, the PA handled everything the FTs could throw at it without breaking a sweat, and its RX now passes Rob's (W3DX) 'Monster Yagi pointed towards Europe from the East Coast' test! We have narrowed the K1's band pass filters to reject even more strong out of band BC signals, its IP3 strong signal handling capability now measures better than +10 dBm and its Phase Noise measures better than most PLL based rigs. Thanks again to all our Field Testers for their invaluable testing and suggestions.

Call for Articles, Tech. Notes and Pictures:

You can become famous! We are adding three new areas to the main Elecraft web page: Tech Notes (Technical design and debugging articles - both general in nature or Elecraft related, Radio Notes. (operating, DXing, personal profiles, success stories etc.) and a Picture Gallery (pictures of your K1 / K2s, projects, shack, locations etc.) We plan to update these areas on our main web page at least monthly and will keep a history page of all past postings. Please email your submissions and questions to [eric@elecraft.com](mailto:eric@elecraft.com) .

Pacificon Hamfest:

Wayne, Eric and Lerma will be manning our booth again at the Pacificon Hamfest (ARRL Pacific Division Convention) in Concord, CA, Oct. 20 - 22nd. (Concord is a short drive from the Oakland Airport and is located just to the west of the San Francisco Bay Area.) We will be showing and selling all of our products at the booth (#30, same location as last year.) Please stop by to see our latest offerings and to visit with us and other Elecraft owners. It should be busy and fun! (Also, let us know if you would like to pick up your K1 at the show and we will make sure to bring it for you.)

73, Eric and Wayne

--

<http://www.elecraft.com>

-----

Date: Wed, 04 Oct 2000 15:47:37 -0400

From: [wlfisher@bellatlantic.net](mailto:wlfisher@bellatlantic.net)

To: ". Eastern PA QRP Club" <[epaqrp-1@Lehigh.EDU](mailto:epaqrp-1@Lehigh.EDU)>, Al Saldarini <[alsaldarini@worldnet.att.net](mailto:alsaldarini@worldnet.att.net)>, "balsky@nysscpa.org" <[balsky@nysscpa.org](mailto:balsky@nysscpa.org)>, Bob Marsh <[kb2sgm@home.com](mailto:kb2sgm@home.com)>, "Brischler, John W2SGI" <[w2sgj@juno.com](mailto:w2sgj@juno.com)>, "Brischler, Jos. N2BFT" <[jb2bft@aol.com](mailto:jb2bft@aol.com)>, "Burgio, John W2JB" <[w2jb@juno.com](mailto:w2jb@juno.com)>, Subject: [80727] [Fwd: [DXR] JOTA Oct 21-22]

Message-ID: <39DB8958.F771E3F1@bellatlantic.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steve - KF2TI wrote:

> Just a reminder to the DX community that the annual Boy Scout  
> JOTA (Jamboree on the Air) will occur Saturday Oct 21 thru  
> Sunday Oct 22. It's a great way to highlight DX at its finest and  
> possible attract some of these computer saavy kids into the  
> Amatuer Radio hobby.  
>  
> Be prepared to answer a few questions other than 59 and QTH.  
>  
> Have fun  
>  
> 73, Steve KF2TI  
>  
> I don't eat vegetables because vegetables ain't food.  
> Vegetables are what food eats. - Shoe  
>  
> If we weren't meant to eat animals,  
> why are they made of meat - George Carlin  
> -----  
> Subscribe/unsubscribe, feedback, FAQ, problems <http://njdx.org/dx-news>  
> To post a message, DX items only, [dx-news@pro-usa.net](mailto:dx-news@pro-usa.net)  
> This is the DX Reflector sponsored by the NJDXA <http://njdx.org>

-----  
Date: Wed, 04 Oct 2000 17:12:54 EDT  
From: Shepherd@aol.com  
To: <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [80728] Flying Pigs Newsletter  
Message-ID: <[b3.15a45f5.270cf757@aol.com](mailto:b3.15a45f5.270cf757@aol.com)>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The October issue of the Flying Pigs QRP Club's newsletter Bacon Bits, is now on-  
line at:  
<http://www.mpna.com/fpqrp/news.html>

Enjoy es 72, oo  
Dan, N8IE

FPqrp #-6

-----  
Date: Thu, 5 Oct 2000 08:13:25 +1000  
From: "Graeme Zimmer" <gzimmer@bigpond.com>  
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-  
l@lehigh.edu>  
Subject: [80729] Re: George Heron's PSK31 Article in Fall QRPp  
Message-ID: <00af01c02e50\$53ebd640\$8e5b868b@zimslaptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks...

> George has a project that uses a PSK20 board from  
> Dave Benson, and a PSK80 Warbler board soon to be released in kit form by  
> the NJ QRP Club (YES they will be available at Pacificon). So what is  
Doug  
> so excited about? We have all seen and heard of PSK? The exciting part  
is  
> George's interface!! NO COMPUTER IS NEEDED, NONE!!!!!!

Re stand-alone PSK31 rigs... you might also like to have a look at my  
efforts at ....

<http://www.users.bigpond.com/gzimmer/>

73 .....Zim

-----  
Date: Wed, 4 Oct 2000 16:22:11 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@arrl.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>, "'Flying Piggies'"  
<fpqrp-l@mpna.com>  
Subject: [80730] RE: Flying Pigs Newsletter  
Message-ID: <000001c02e49\$28ebb480\$7a3dc6d8@wb5rue>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good Job!

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Shepherd@aol.com

> Sent: Wednesday, October 04, 2000 4:13 PM

> To: Low Power Amateur Radio Discussion

> Subject: Flying Pigs Newsletter

>

>

> The October issue of the Flying Pigs QRP Club's newsletter

> Bacon Bits, is now on-line at:

> <http://www.mpna.com/fpqrp/news.html>

>

> Enjoy es 72, oo

> Dan, N8IE

> FPqrp #-6

>

>

>

-----

Date: Wed, 4 Oct 2000 18:03:53 -0400

From: wb8icn1@juno.com

To: wb5rue@arrl.net

Cc: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com

Subject: [80731] Re: [fpqrp] RE: Flying Pigs Newsletter

Message-ID: <20001004.180358.-498217.0.wb8icn1@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I'll second that complement...Dan and FP's have a hot thing going here!

super job Dan!!!!!!!

Dah-Dit-Dah,

73's, Mike...WB8ICN

K2 S/N 383, FISTS #7065, QRP ARCI #9982, MI QRP #1442, FPQRP#68

QCWA Chapter 10, Michigan - Net meets on Sundays, 3903 MHz at 0800 EST

web page - <http://www.qsl.net/wb8icn> - e-mail - [wb8icn@qsl.net](mailto:wb8icn@qsl.net)

On Wed, 4 Oct 2000 16:22:11 -0500 "Kevin Muenzler WB5RUE"

<wb5rue@arrl.net> writes:

> Good Job!  
>  
> > -----Original Message-----  
> > From: owner-qrp-1@Lehigh.EDU  
> > [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> > Shepherd@aol.com  
> > Sent: Wednesday, October 04, 2000 4:13 PM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Flying Pigs Newsletter  
> >  
> >  
> > The October issue of the Flying Pigs QRP Club's newsletter  
> > Bacon Bits, is now on-line at:  
> > <http://www.mpna.com/fpqrp/news.html>  
> >  
> > Enjoy es 72, oo  
> > Dan, N8IE  
> > FPqrp #-6  
> >  
> >  
> >  
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe  
> fpqrp-1 -

---

YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

---

Date: Wed, 4 Oct 2000 15:55:18 -0700  
From: "Bliss, Jerry" <Jerry.Bliss@us.telegyr.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [80732] k6iii in CQP fm SIERRA cty - QRP  
Message-ID: <E96C7FB3B78BD311B5D200A0C9DB9AF6D8F621@sjcs10.lgca.lg.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

CQP and Contester friends,

I will be in 'Rare' SIERRA county again. Will be QRP with the  
Elecraft K2 and wire.

Look for me at or above the QRP freqs (CW=28060, 21060, 14060, 7040).  
Son-in-Law will be the SSB op.

73 de Jerry/k6iii

-----

End of QRP-L Digest 1964

\*\*\*\*\*

-----